



# INSTRUCTION MANUAL

0.6CuFt Mechanical Microwave Oven

**Model: MM617ABN**

Read these instructions carefully before using your microwave oven.

If you follow the instructions, your oven will provide you with many years of good service.

**SAVE THESE INSTRUCTIONS**

## SPECIFICATIONS

Model:	MM617ABN
Power Source:	120V~ 60Hz 2450MHz
Power Consumption:	950 W
Maximum Output:	600 W
Oven Capacity:	0.6 Cu.ft.
Turntable Diameter:	Ø 9.6 inches
EXternal Dimensions (LxWxH):	18.1 x 14.8 x 11.0 inches
Net Weight:	23.4 lb

# PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- (a) Do not attempt to operate this oven with the door open since this can result in harmful exposure to microwave energy. It is important not to break or tamper with the safety interlocks.
- (b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.

- (c) Do not operate the oven if it is damaged. It is particularly important that the oven door closes properly and that there is no damage to the:
  - (1) DOOR(dent)
  - (2) HINGES AND LATCHES(broken or loosened)
  - (3) DOOR SEALS AND SEALING SURFACE
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

## SAFETY

- 1. The oven must be on a leveled surface.
- 2. The turntable and turntable roller rest must be in the oven during cooking. Place the cookware gently on the turntable and handle it carefully to avoid possible breakage.
- 3. Incorrect use of browning dish may cause the turntable to break.
- 4. Use only the specified bag size when using Direct Access Popcorn.
- 5. The oven has several built-in safety switches to ensure that the power remains off when the door is open. Do not tamper with these switches.
- 6. Do not operate the microwave oven empty. Operating the oven with no food or food that is extremely low in moisture can cause fire, charring or sparking.
- 7. Do not cook bacon directly on the turntable. Excessive local heating of the turntable may cause the turntable to break.
- 8. **Do not heat baby bottles or baby food in the microwave oven. Uneven heating may occur and could cause physical injury.**
- 9. **Do not heat narrow-necked containers, such as syrup bottles.**
- 10. Do not attempt to deep-fry in your microwave oven.
- 11. Do not attempt home canning in this microwave oven as it is impossible to be sure all contents of the jar have reached boiling temperature.
- 12. Do not use this microwave oven for commercial purpose. This microwave oven is made for household use only.
- 13. To prevent delayed eruptive boiling of hot liquids and beverages or scalding yourself, stir liquid before placing the container in the oven and again halfway through cooking time. Let stand in the oven for a short time and stir again before removing the container.
- 14. Please do notice the food in the microwave oven to avoid burning due to excessive cooking when cooking food in it.
- 15. When the appliance is operated in the combination mode, children should only use the oven under adult supervision due to the temperatures generated.
- 16. Failure to maintain the oven in a clean condition could lead to deterioration of the surface that could adversely affect the life of the appliance and possibly result in a hazardous situation.

# Important Safety Instructions

**WARNING** — To reduce the risk of the fire, electric shock, injury to persons, or exposure to excessive microwave oven energy when using your appliance, follow basic precautions, including the following:

1. Read all instructions before using the appliance.
2. Read and follow the specific: "**PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY**".
3. As with most cooking appliances, close supervision is necessary to reduce the risk of a fire in the oven cavity.

## **If materials inside the oven ignite:**

1. Keep the oven door closed.
2. Turn the oven off, and unplug the appliance.
3. Disconnect the power at the fuse or circuit breaker panel.

## **Keep in mind the following rules at all times:**

1. Do not overcook food. Carefully attend the appliance when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
2. Do not use the oven cavity for storage purposes. Do not store combustible items such as bread, cookies, paper products, etc. inside the oven. If lightning strikes the power line, the oven may turn on by itself.
3. Remove wire twist-ties and metal handles from paper or plastic containers/bags before placing them in the oven.
4. This oven must be grounded. Connect only to properly grounded outlet. See "**GROUNDING INSTRUCTIONS**".
5. Install or locate this oven only in accordance with the installation instructions provided.
6. Some products such as whole eggs, water with oil or fat, sealed containers and closed glass jars are able to explode and therefore should not be heated in this oven.
7. Use this appliance only for its intended uses as described in the manual. Do not use corrosive chemicals or vapors in this appliance. This oven is specifically designed to heat or cook food. It is not designed for industrial or laboratory use.
8. As with any appliance, close supervision is necessary when used by children.
9. Do not operate this oven if it has a damaged cord or plug, if it is not working properly or if it has been damaged or dropped.
10. **This appliance should be serviced only by qualified service technicians. Contact the nearest authorized service facility for examination, repair or adjustment.**
11. Do not cover or block any vents on the oven.
12. Do not store or use this appliance outdoors.
13. Do not use this oven near water, for example, near a kitchen sink, in a wet basement, near a swimming pool, or similar locations.
14. Do not immerse cord or plug in water.
15. Keep cord away from heated surfaces.
16. Do not let cord hang over edge of table or counter.
17. When cleaning door and oven surfaces use only mild, nonabrasive soaps or detergents applied with a sponge or soft cloth.
18. Liquids, such as water, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. **THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN THE CONTAINER IS DISTURBED OR A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID.**

**To reduce the risk of injury to persons:**

## **Grounding Installation**

- i) Do not overheat the liquid.
- ii) Stir the liquid both before and halfway through heating it.
- iii) Do not use straight-sided containers with narrow necks.
- iv) After heating, allow the container to stand in the microwave oven for a short time before removing the container.
- v) Use extreme care when inserting a spoon or other utensil into the container.

**SAVE THESE INSTRUCTIONS**

## DANGER

**Electric Shock Hazard** Touching some of the internal components can cause serious personal injury or death. Do not disassemble this appliance.

## WARNING

### Electric Shock Hazard

Improper use of the grounding can result in electric shock. Do not plug into an outlet until appliance is properly installed and grounded.

### Three-pronged (grounding) plug



**Properly polarized and grounded outlet**

## Utensils

## CAUTION

### Personal Injury Hazard

Tightly-closed utensils could explode. Closed containers are opened and plastic pouches pierced before cooking.

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

Consult a qualified electrician or serviceman if the grounding instructions are not completely understood or if doubt exists as to whether the appliance is properly grounded. If it is necessary to use an extension cord, use only a 3-wire extension cord that has a 3-pronged grounding plug, and a 3-slot receptacle that will accept the plug on the appliance.

1. A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
2. Longer cord sets or extension cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.
3. If a long cord sets or extension cord is used: 1)The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance. 2)The extension cord must be a grounding-type 3-wire cord, and 3)The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over unintentionally.

See next page for further instructions "Materials you can use in microwave oven or to be avoided in microwave oven." There may be certain non-metallic utensils that are not safe to use for microwaving. If in doubt, you can test the utensil in question following the procedure below.

### Utensil Test:

1. Fill a microwave-safe container with 1 cup of cold water (250ml) along with the utensil in question.
2. Cook on **maximum** power for 1 minute.
3. Carefully feel the utensil. If the empty utensil is warm, do not use it for microwave cooking.
4. Do not exceed 1 minute cooking time.

## Materials you can use in microwave oven

Utensils	Remarks
<b>Aluminum foil</b>	Shielding only. Small smooth pieces can be used to cover thin parts of meat or poultry to prevent overcooking. <b>Arcing can occur if foil is too close to oven walls.</b> The foil should be at least 1 inch (2.5cm) away from oven walls.
<b>Browning dish</b>	Follow manufacturer's instructions. The bottom of browning dish must be at least 3/16 inch (5mm) above the turntable. Incorrect usage may cause the turntable to break.
<b>Dinnerware</b>	Microwave-safe only. Follow manufacturer's instructions. Do not use cracked or chipped dishes.
<b>Glass jars</b>	Always remove lid. Use only to heat food until just warm. Most glass jars are not heat resistant and may break.
<b>Glassware</b>	Heat-resistant oven glassware only. Make sure there is no metallic trim. Do not use cracked or chipped dishes.
<b>Oven cooking bags</b>	Follow manufacturer's instructions. Do not close with metal tie. Make slits to allow steam to escape.
<b>Paper plates and cups</b>	Use for short-term cooking/warming only. Do not leave oven unattended while cooking.
<b>Paper towels</b>	Use to cover food for reheating and absorbing fat. Use with supervision for a short-term cooking only.
<b>Parchment paper</b>	Use as a cover to prevent splattering or a wrap for steaming.
<b>Plastic</b>	Microwave-safe only. Follow the manufacturer's instructions. Should be labelled "Microwave Safe". Some plastic containers soften as the food inside gets hot. "Boiling bags" and tightly closed plastic bags should be slit, pierced or vented as directed by package.
<b>Plastic wrap</b>	Microwave-safe only. Use to cover food during cooking to retain moisture. Do not allow plastic wrap to touch food.
<b>Thermometers</b>	Microwave-safe only (meat and candy thermometers).
<b>Wax paper</b>	Use as a cover to prevent splattering and retain moisture.

## Materials to be avoided in microwave oven

Utensils	Remarks
<b>Aluminum tray</b>	May cause arcing. Transfer food into microwave-safe dish.
<b>Food carton with metal handle</b>	May cause arcing. Transfer food into microwave-safe dish.
<b>Metal or metal-trimmed utensils</b>	Metal shields the food from microwave energy. Metal trim may cause arcing.
<b>Metal twist ties</b>	May cause arcing and could cause a fire in the oven.
<b>Paper bags</b>	May cause a fire in the oven.
<b>Plastic foam</b>	Plastic foam may melt or contaminate the liquid inside when exposed to high temperature.
<b>Wood</b>	Wood will dry out when used in the microwave oven and may split or crack.

## SETTING UP YOUR OVEN

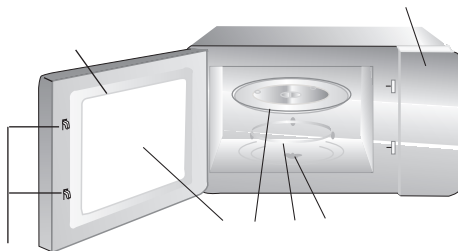
### Names of Oven Parts and Accessories

Remove the oven and all materials from the carton.

Your oven comes with the following accessories:

Glass tray	1
Turntable ring assembly	1
Instruction Manual	1

- A) Control panel
- B) Turntable shaft
- C) Turntable ring assembly
- D) Glass tray
- E) Observation window
- F) Door assembly
- G) Safety interlock system



## TURNTABLE INSTALLATION



- a. Never place the glass tray upside down. The glass tray should never be restricted.
- b. Both glass tray and turntable ring assembly must always be used during cooking.
- c. All food and containers of food are always placed on the glass tray for cooking.
- d. If glass tray or turntable ring assembly cracks or breaks, contact your nearest authorized service center.

## Installation

Remove all packing material and accessories. Examine the oven for any damage such as dents or broken door. Do not install if oven is damaged.

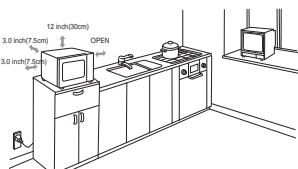
**Cabinet:** Remove any protective film found on the cabinet surface.

**Do not remove the light brown Mica cover that is screwed to the oven cavity to protect the magnetron.**

### Countertop

#### Installation

1. Select a level surface that provide enough open space for the intake and/or outlet vents.



**A minimum clearance of 3.0 inch (7.5cm) is required between the oven and any adjacent wall. One side must be open.**

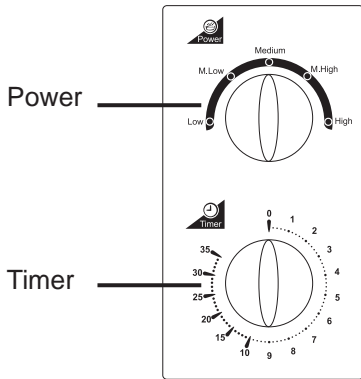
- (1) Leave a minimum clearance of 12 inch(30cm) above the oven.

- (2) **Do not remove the legs from the bottom of the oven.**
- (3) Blocking the intake and/or outlet openings can damage the oven.
- (4) Place the oven as far away from radios and TV as possible. Operation of microwave oven may cause interference to your radio or TV reception.
2. Plug your oven into a standard household outlet. Be sure the voltage and the frequency is the same as the voltage and the frequency on the rating label.

**WARNING:** Do not install oven over a range cooktop or other heat-producing appliance. If installed could be damaged and the warranty would be void.

# OPERATION

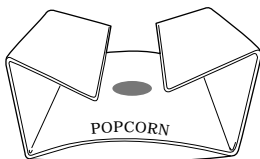
## Control Panel and Features



- 1.To set cooking power by turning the power knob to desired level.
- 2.To set the time of cooking by turning the timer knob to desired time per your food cooking guide.
- 3.The microwave oven will automatically start cooking after Power level and time is set.
- 4.After the cooking time is up ,the unit will "Ding" to stop.
- 5.If the unit is not in use, always set time to "0" .

Function/Power	Output	Application
Low	17% power	Soften ice cream
Med. Low	33% power	Cook tough meat, soup stew, soften butter or defrost
Med.	55% power	Milk cake, stew or defrost
Med. High	77% power	Rice, fish cookie or meat
High	100% power	Reheat, boil water, vegetables, chicken or beverage

*NOTE:*



**When popping a popcorn;  
Place carefully so the bag does not touch the oven walls. Fold each end of the bag in half toward the center top of the bag.**

# MAINTENANCE

## Troubleshooting

Check your problem by using the chart below and try the solutions for each problem. If the microwave oven still does not work properly, contact the nearest authorized service center.

TROUBLE	POSSIBLE CAUSE	POSSIBLE REMEDY
Oven will not start	a. Electrical cord for oven is not plugged in. b. Door is open. c. Wrong operation is set.	a. Plug into the outlet. b. Close the door and try again. c. Check instruction.
Arcing or sparking	a. Materials to be avoided in microwave oven are used. b. The oven is operated when empty. c. Spilled food remains in the cavity.	a. Use microwave-safe cookware only. b. Do not operate with oven empty. c. Clean cavity with wet towel.
Unevenly cooked foods	a. Materials to be avoided in microwave oven are used. b. Food is not defrosted completely. c. Cooking time, power level is not suitable. d. Food is not turned or stirred.	a. Use microwave-safe cookware only. b. Completely defrost food. c. Use correct cooking time, power level. d. Turn or stir food.
Overcooked foods	Cooking time, power level is not suitable.	Use correct cooking time, power level.
Undercooked foods	a. Materials to be avoided in microwave oven are used. b. Food is not defrosted completely. c. Oven ventilation ports are restricted. d. Cooking time, power level is not suitable.	a. Use microwave-safe cookware only. b. Completely defrost food. c. Check to see that oven ventilation ports are not restricted. d. Use correct cooking time, power level.
Improper defrosting	a. Materials to be avoided in microwave oven are used. b. Cooking time, power level is not suitable. c. Food is not turned or stirred.	a. Use microwave-safe cookware only. b. Use correct cooking time, power level. c. Turn or stir food.



## **NOTE**

**This device complies with part 18 of the FCC Rules.**

- 1, Before commissioning this oven please read this instruction manual and keep it carefully.**
  - 2, There must be more than 30cm high space necessary above the top surface of oven.**
  - 3, Do not repair the oven yourself, please consult an authorized expert.**
  - 4, The contents of feeding bottles and baby food jars are to be stirred or shaken and the temperature is to be checked before consumption, in order to avoid burns.**
  - 5, Check the oven and the cable regularly for damage. If there is any kind of damage, the oven should not be used.**
- Do not attempt to operate this oven with the door open since open- door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.**
  - Carefully clean door seals and sealing surfaces.**
  - Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the : (1) door(bent). (2) hinges and latches( broken or loosened). (3) door seals and sealing surfaces.**
  - Utensils should be checked to ensure that they are suitable for use in microwave ovens.**
  - When heating food in plastic or paper containers, check the oven frequently due to the possibility of ignition.**
  - Microwave heating of beverages can result in delayed eruptive boiling, therefore care has to be taken when handling the container.**
  - If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames.**
  - Egg in their shell and whole hard- boiled eggs shall not be heated in microwave ovens since they may explode.**
  - If the door or door seals are damaged. The oven must not be operated until it has been repaired by a trained person.**
  - Liquids or other foods must not be heated in sealed containers since they are liable to explode.**

### **Warning:**

- 1, It is hazardous for anyone other than a trained person to carry out any service or repair operation, which involves the removal of any cover which gives protection against exposure to microwave energy.**
- 2, Only allow children to use the oven without supervision when adequate instructions have been given so that the children is able to use the oven in a safe way and understands the hazards of improper use.**
- 3, If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.**
- 4, This product will make disturbance in AV product, if any disturbance is occurred, use different electrical source jack to supply electricity or use low power or away from them.**

**Note: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV**

**INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT .SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.**

## **FEDERAL COMMUNICATIONS COMMISSION RADIO FREQUENCY INTERFERENCE STATEMENT**

**WARNING:**

This equipment generates and uses ISM frequency energy and if not installed and used properly, that is in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception.

It has been type-tested and found to comply with limits for an ISM Equipment pursuant to part 18 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the followings.

- Reorient the receiving antenna of radio or television.
- Relocate the Microwave oven with respect to the receiver.
- Move the microwave oven away from the receiver.
- Plug the microwave oven into a different outlet so that microwave oven and receiver are on different branch circuits.

THE MANUFACTURER is not responsible for any radio or TV interference caused by UNAUTHORIZED MODIFICATION to this microwave oven. It is the responsibility of the user to correct such interference.